

Vaccine Storage & Handling Course

Instructions

The Vaccine Storage and Handling power-point presentation is designed to educate healthcare providers on basic principles related to the storage and handling of vaccines. In order to receive credit for completion of the “Vaccine Storage and Handling” web-based course, participants must:

- 1) Work for a Vaccines For Children (VFC) provider in Los Angeles County,
- 2) Review the Vaccine Storage & Handling power-point presentation,
- 3) Complete and return the course Evaluation and Post-Test Answer Sheet via e-mail or fax, and
- 4) Receive a passing score of 80% or greater on the Post-Test.

The certificate will be mailed to you within 30 days, along with resources and the correct answers for any questions answered incorrectly by the participant. Participants scoring less than 80% will be contacted by the Immunization Program to review the information presented to assist the participant in completing the post-test with a score of 80% or above.

Please be sure to include your name and the provider's /clinics name and address (**please print**) on the Evaluation Form & Post-Test Answer Sheet so you can receive your certificate. A

Fax or email the completed evaluation and post-test to:

Clinic Support Services Unit
ATTN: Maria Claudia Davila
Fax: (213) 351-2780 or
mdavila@ph.lacounty.gov

Your evaluation is very important to us. The comments and suggestions you provide will assist us in the development of new and informative presentations on various subjects related to vaccines and vaccine preventable diseases. We appreciate your comments and suggestions.

For additional information or questions, please contact Melanie Barr, RN Director of Nursing or Maria Davila, Supervisor Clinic Support Services Unit @ (213) 351-7800.

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Post-Test

1. All refrigerated vaccines must be stored at what temperature: **(Please check one answer)**
 - ☐ 35°F- 40°F
 - ☐ 40°F- 460°F
 - ☐ 35°F- 46F
 - ☐ 34°F- 44°F
2. Which storage unit is not recommended for vaccines? **(Please check one answer)**
 - ☐ Stand-alone refrigerator
 - ☐ Stand-alone freezer unit
 - ☐ Dormitory style refrigerator with a small freezer section
 - ☐ Combination unit with separate freezer and refrigerator compartments and separate temperature gauges
3. To maintain stable temperatures in the event of a power outage, the provider should do all of the following except: **(Please check one answer)**
 - ☐ Place ice packs in the freezer
 - ☐ Store vaccines in the vegetable bins
 - ☐ Keep the refrigerator and freezer doors closed
 - ☐ Keep water bottles in the doors of the refrigerator
4. To ensure proper cold air circulation in the storage unit, the vaccine should be stored: **(Please check one answer)**
 - ☐ Against the walls of the refrigerator or freezer
 - ☐ On the shelf stacked on top of other vaccines
 - ☐ Away from the walls of the refrigerator or freezer
 - ☐ In the bins of the refrigerator
5. Vaccine storage and handling errors may result in: **(Please check one answer)**
 - ☐ More cases of vaccine preventable diseases
 - ☐ Loss of patient trust
 - ☐ Vaccine loss
 - ☐ All of the above
6. When should vaccine storage unit temperatures be monitored and recorded? **(Please check one answer)**
 - ☐ Every morning when the clinic opens
 - ☐ Every afternoon
 - ☐ Every evening when the clinic closes
 - ☐ Every morning when the clinic opens and before closing in the evening
7. Benefits of monthly inventory include: **(Please check one answer)**
 - ☐ Helps to prevent stocking excessive amounts of vaccine
 - ☐ Assists the provider in monitoring vaccine expiration dates
 - ☐ Helps ensure that the provider has enough vaccine
 - ☐ All of the above

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8. To be sure the cold chain has not been broken, the following action should be taken: **(Please check one answer)**
- ☐ Check the expiration date upon receipt of the vaccine
 - ☐ Assure shipping time is more than 48 hours
 - ☐ Check the temperature indicator included in the shipment
 - ☐ Leave Varicella in packing until dry ice is melted
9. Pre-filling syringes is not recommended as it may lead to: **(Please check one answer)**
- ☐ Vaccine wastage
 - ☐ Vaccine administration errors
 - ☐ Bacterial growth
 - ☐ All of the above
10. Multi-dose vials must be discarded after 30 days. **(Please check one answer)**
- ☐ True
 - ☐ False
11. Storing vaccines in the door is allowed as long as you have water bottles in the door. **(Please check one answer)**
- ☐ True
 - ☐ False
12. If you arrive to the clinic in the morning and find the refrigerator temperature is 65° F, what would be the most appropriate action to take? **(Please check one answer)**
- ☐ Discard all vaccines stored in the refrigerator
 - ☐ Mark the vaccines "Do Not Use" until the viability can be determined
 - ☐ Transfer the vaccines to another storage unit and continue to use
 - ☐ Shorten the expiration dates of the vaccine and use the vaccine before they expire
13. Vaccines should be stored in their original packaging because: **(Please check one answer)**
- ☐ Exposure to light may inactivate the vaccine
 - ☐ It helps keep the vaccine organized
 - ☐ It helps to prevent vaccine administration errors
 - ☐ All of the above
14. Vaccine coordinators and their back-up are responsible for: **(Please check one answer)**
- ☐ Ordering vaccine
 - ☐ Monitoring refrigerator/freezer temperatures
 - ☐ Taking a monthly inventory of the vaccine supply
 - ☐ All of the above
15. What diluent should be used for MMR, MMRV, and Varicella? **(Please check one answer)**
- ☐ Normal saline
 - ☐ Distilled water
 - ☐ Sterile water

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Evaluation & Answer Sheet

Name _____ Title: _____ Date _____

Clinic Name _____ Phone # _____

1. After reviewing the course material, I am confident I can discuss the principles of vaccine storage and handling.
☐ Strongly agree
☐ Agree
☐ Undecided
☐ Disagree
☐ Strongly disagree
2. After reviewing the course material, I am confident that I can recognize temperatures outside the recommended range and use evidenced-based interventions to protect the vaccine supply.
☐ Strongly agree
☐ Agree
☐ Undecided
☐ Disagree
☐ Strongly disagree
3. After reviewing the course materials, I will implement changes in my vaccine storage and handling practices.
☐ Strongly agree
☐ Agree
☐ Undecided
☐ Disagree
☐ Strongly disagree
4. The course content was relevant to my practice.
☐ Strongly agree
☐ Agree
☐ Undecided
☐ Disagree
☐ Strongly disagree
5. The course content was appropriate given the stated objectives.
☐ Strongly agree
☐ Agree
☐ Undecided
☐ Disagree
☐ Strongly disagree

Comments/Suggestions: _____

